

FIG.1

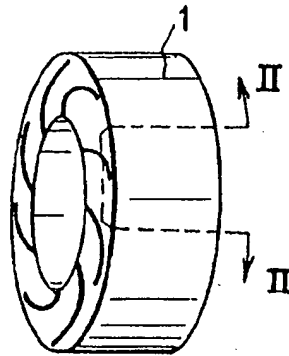


FIG.2

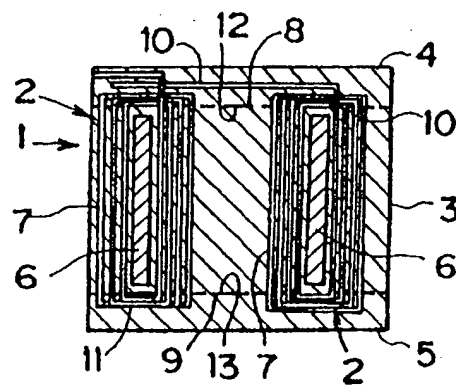
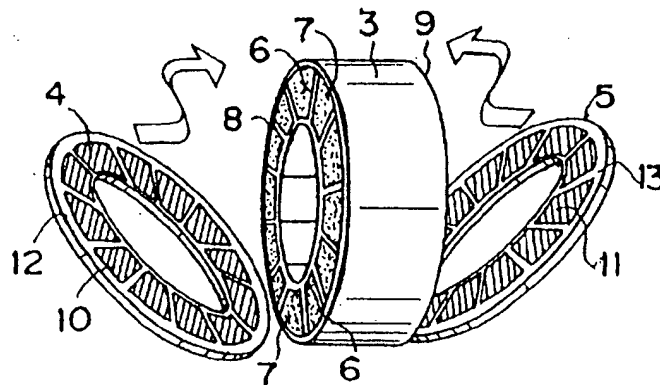


FIG.3



Best Available Copy

FIG.4

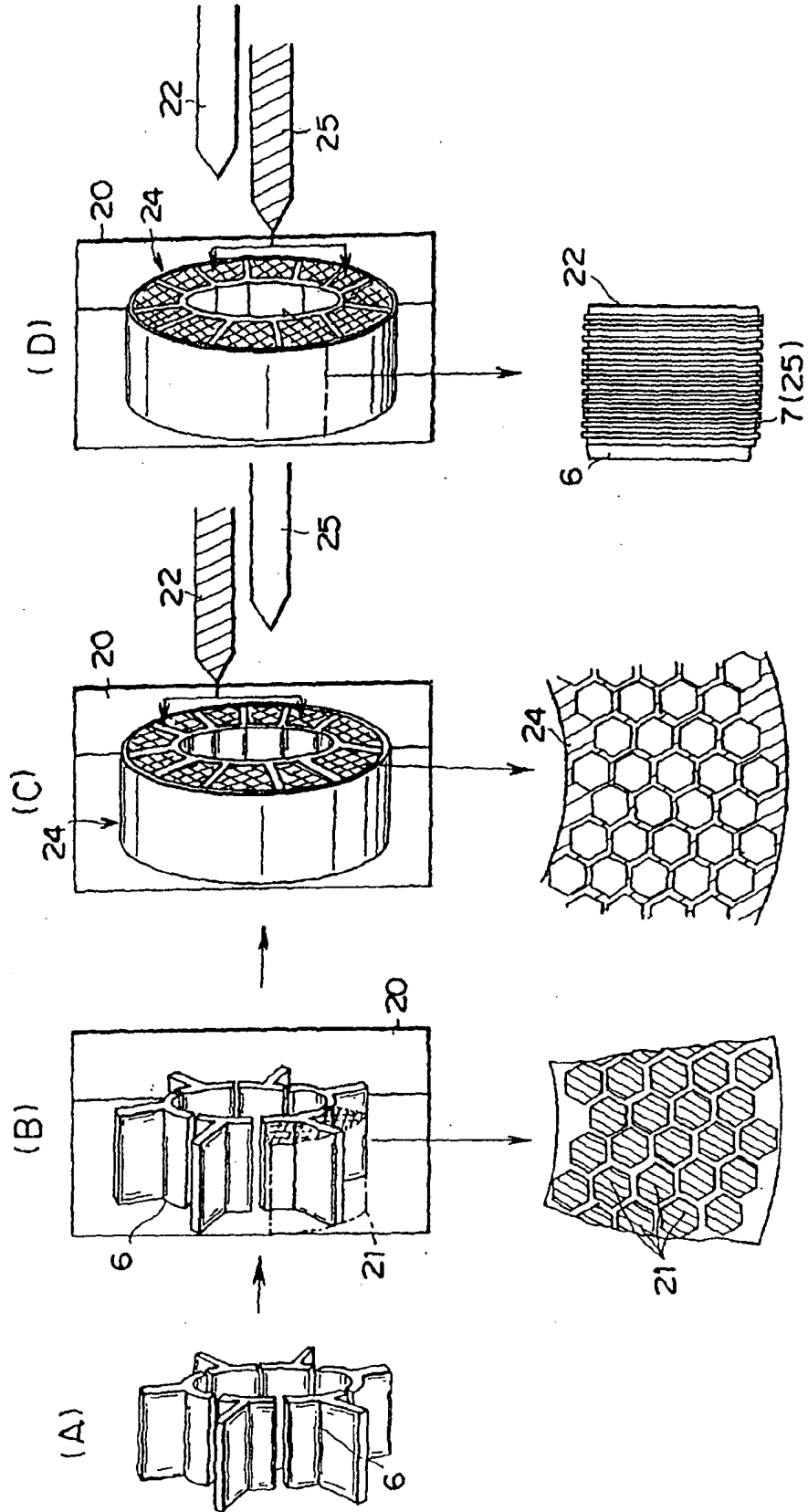


FIG.5

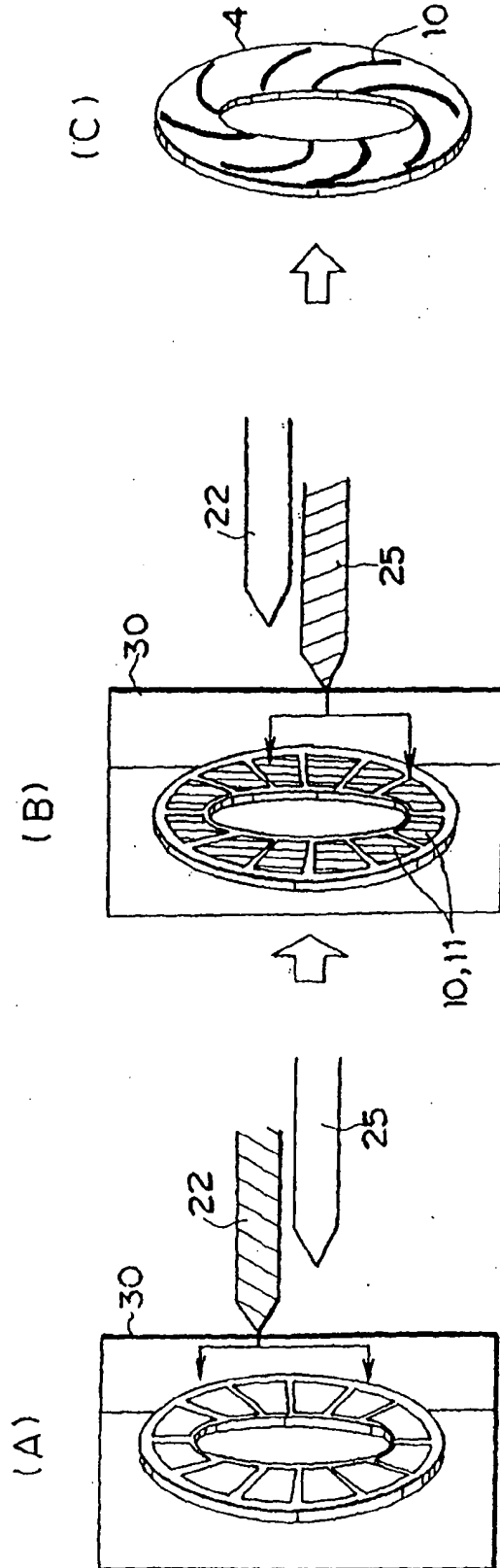


FIG.6

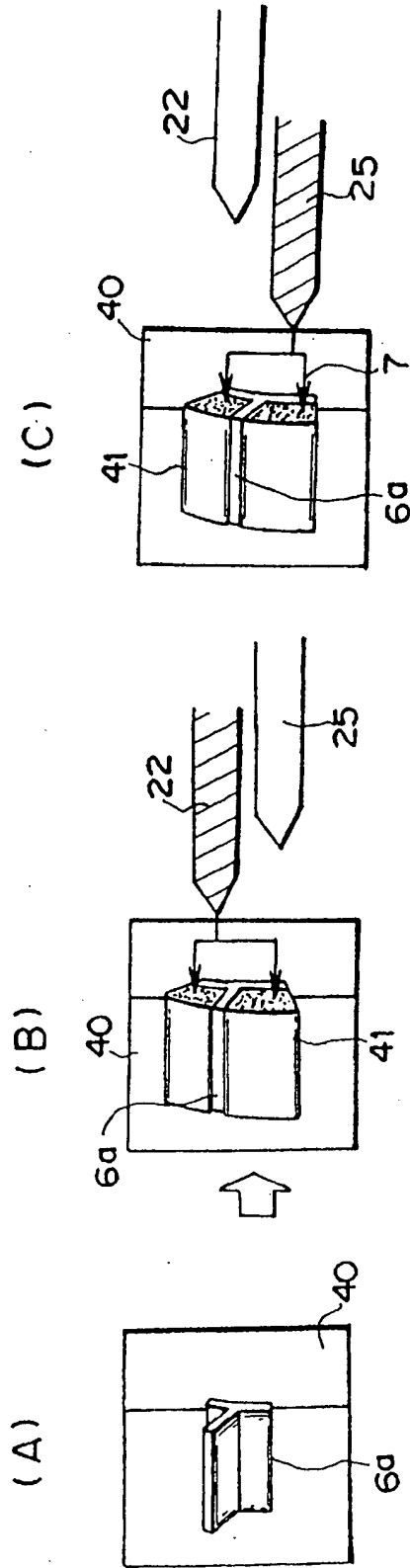


FIG.7

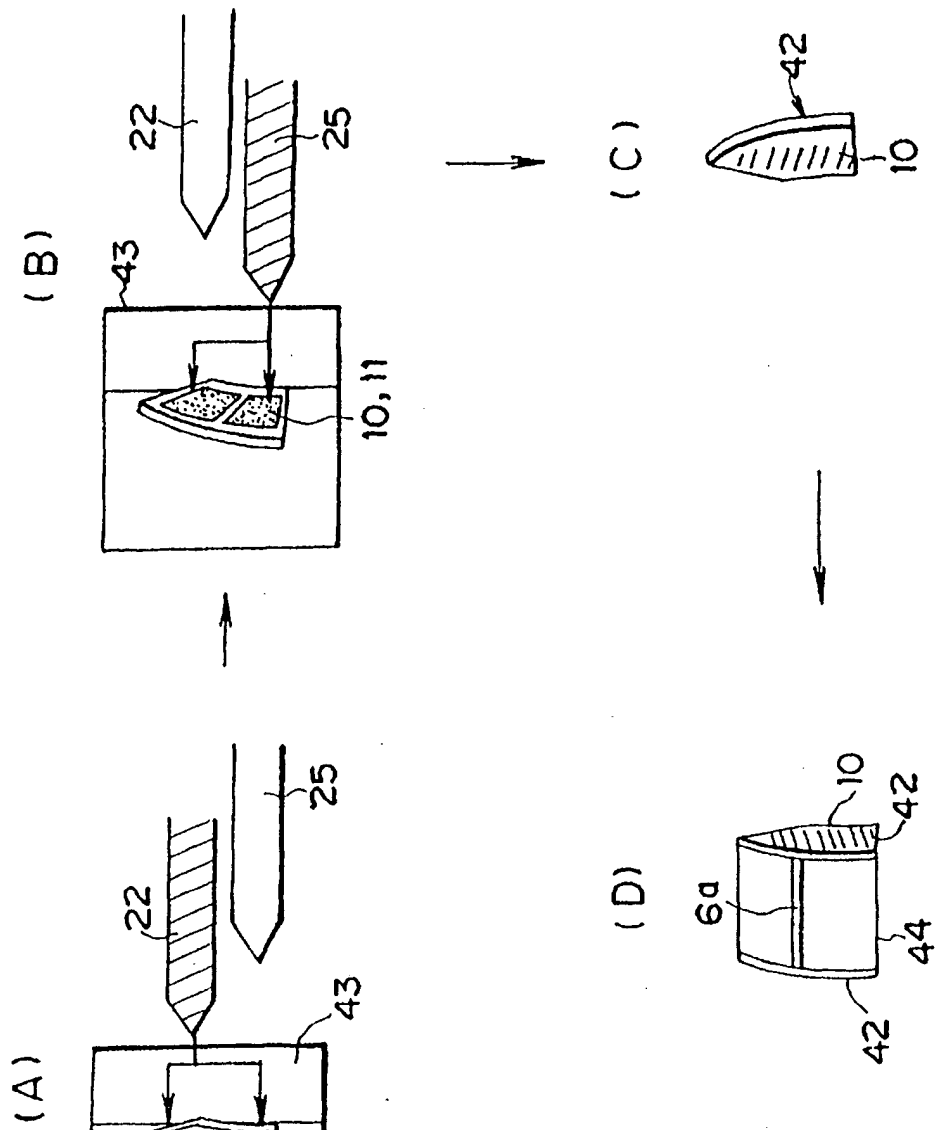


FIG.8

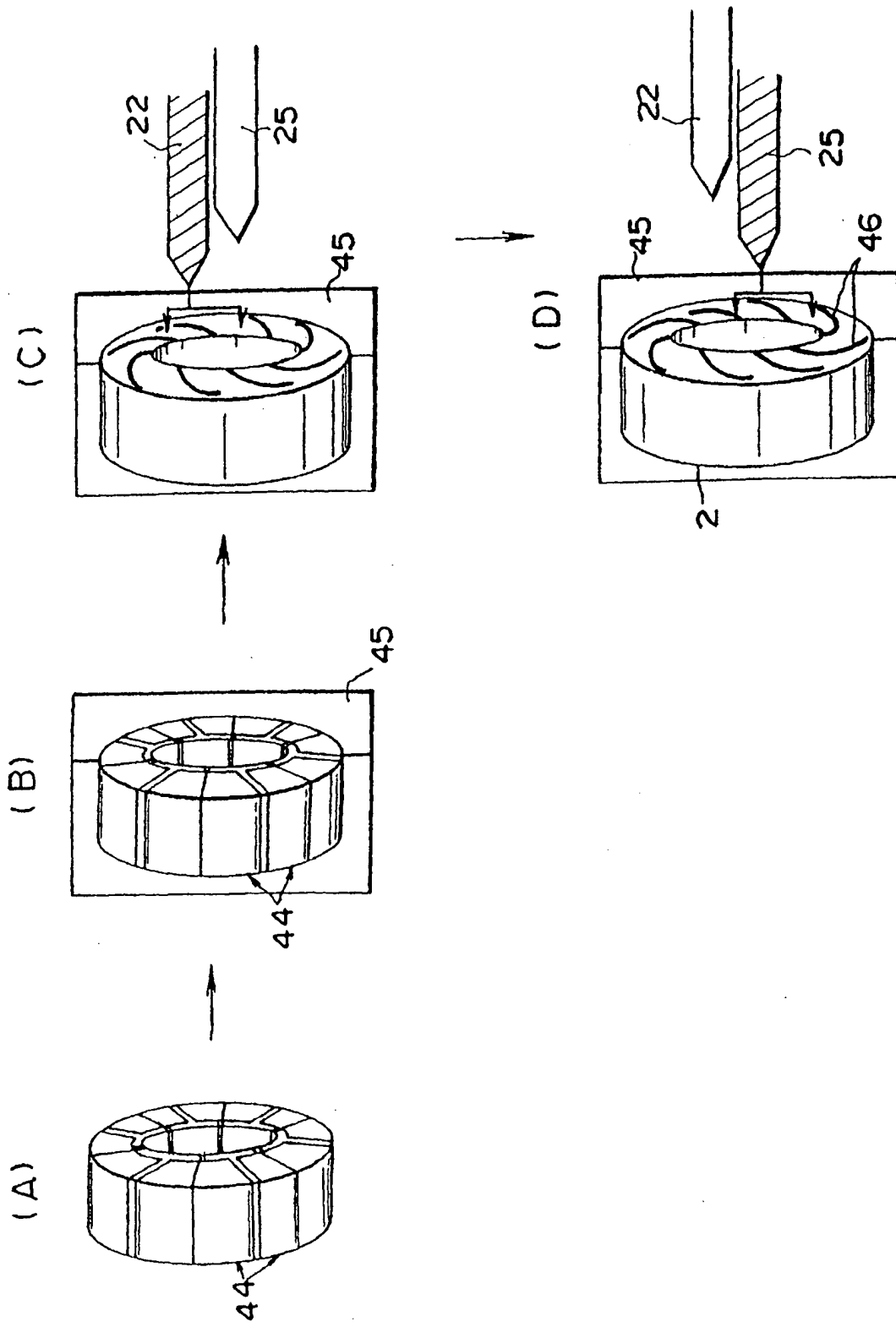


FIG.9

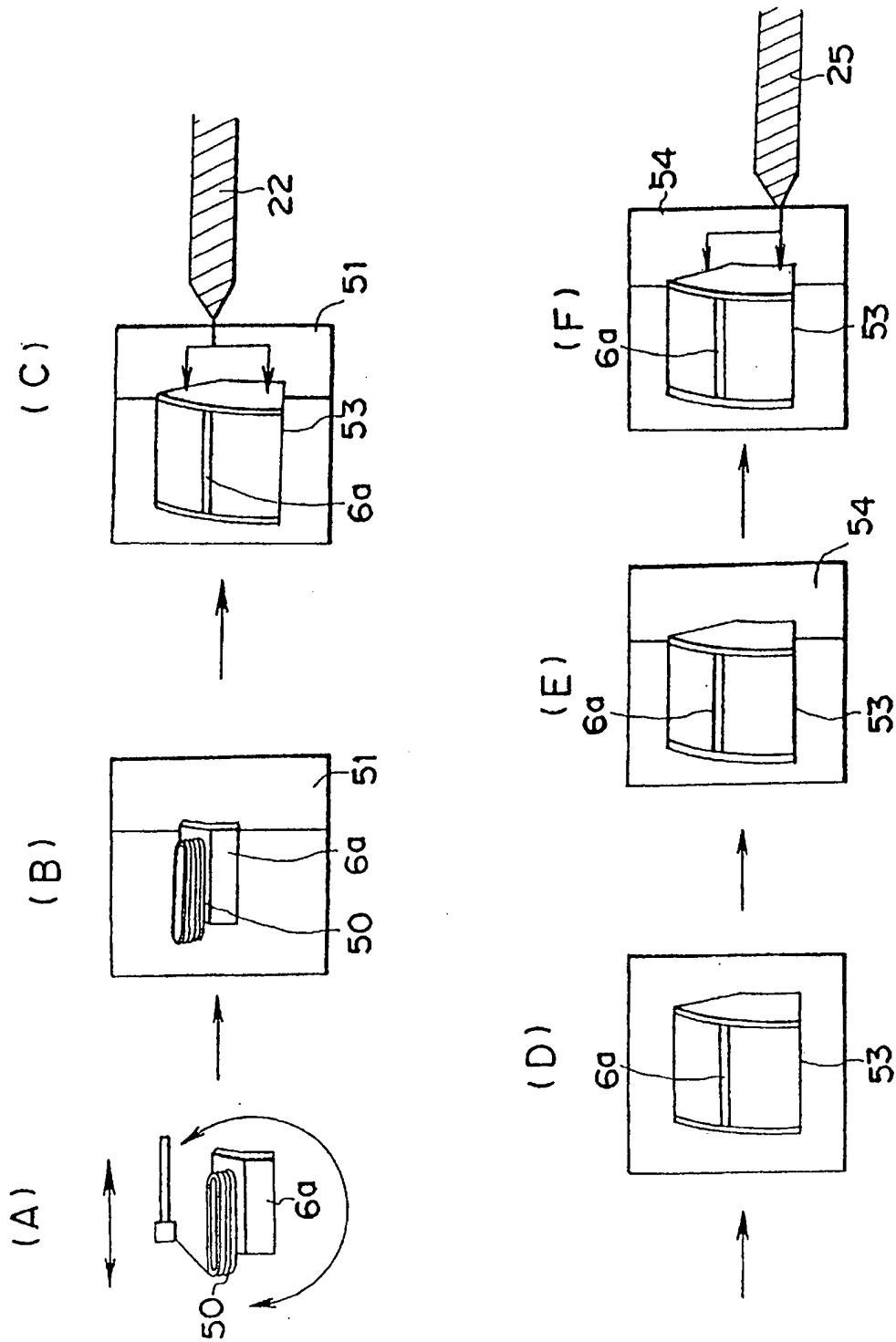


FIG.10

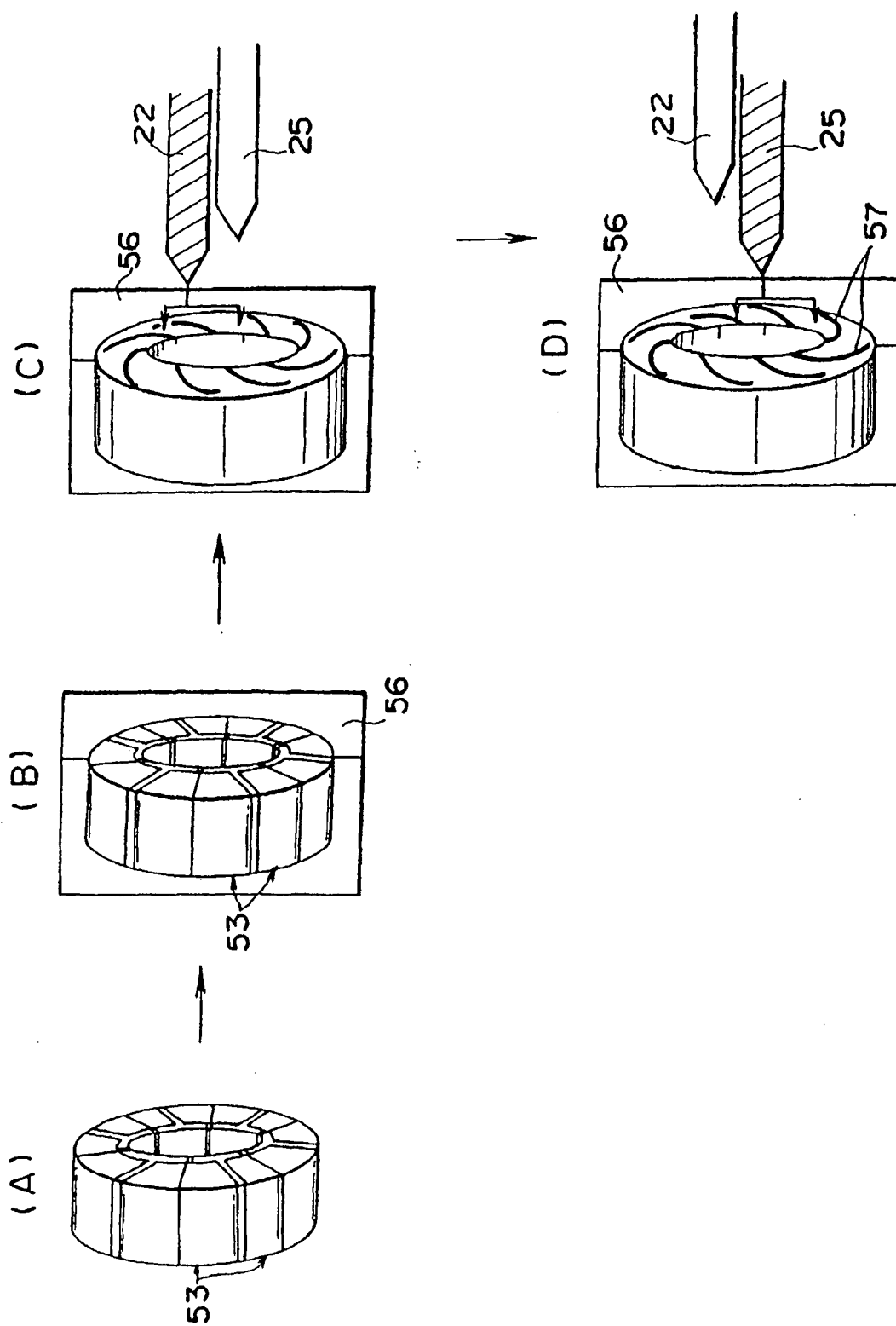


FIG.11

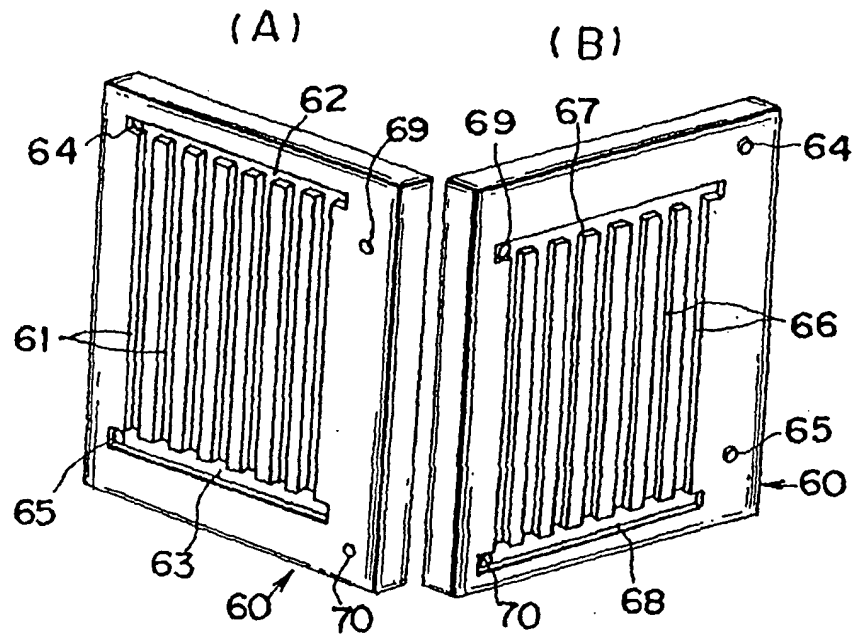


FIG.12

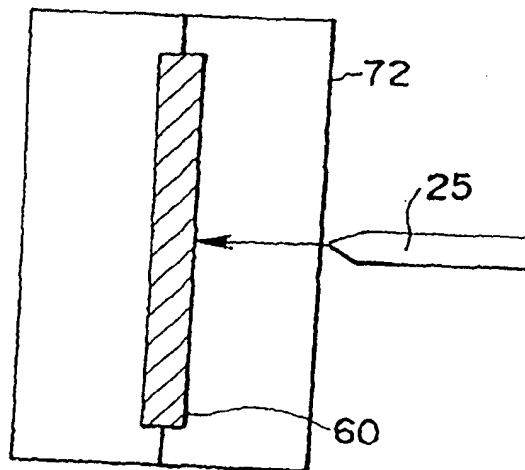


FIG.13

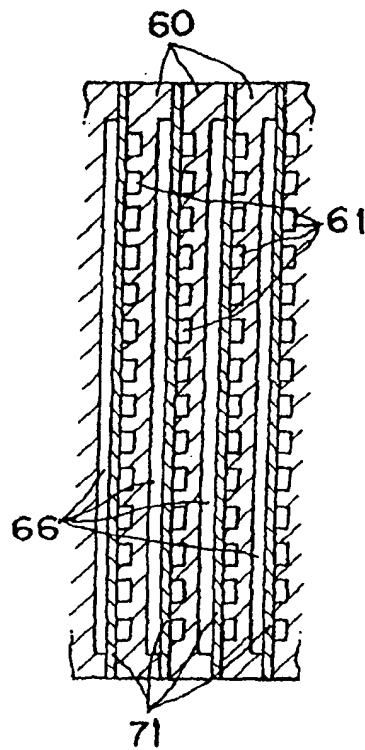


FIG.14

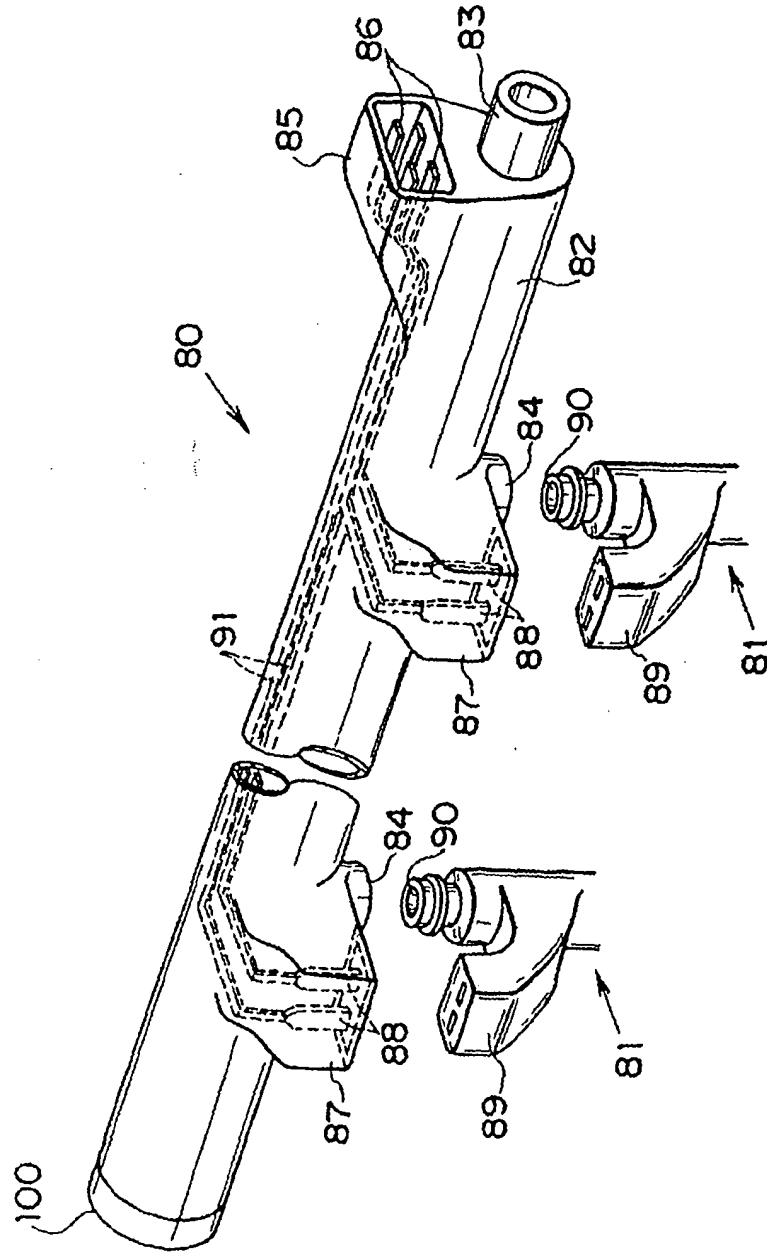


FIG.15

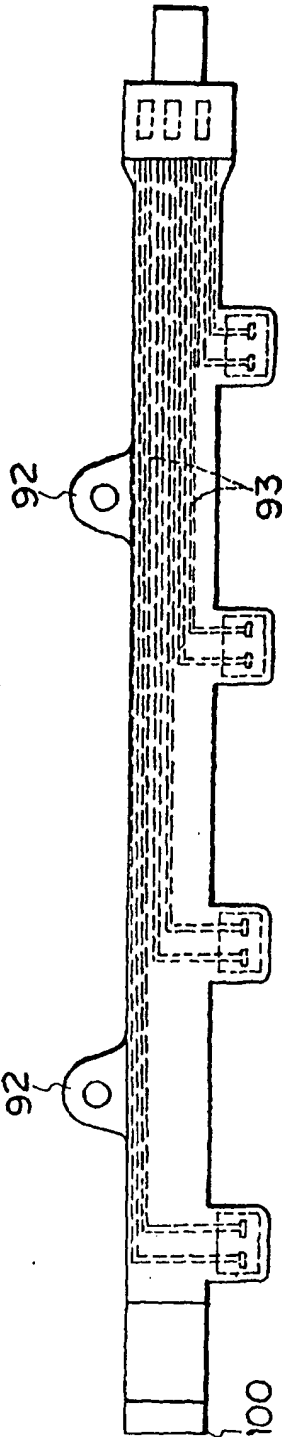


FIG.16

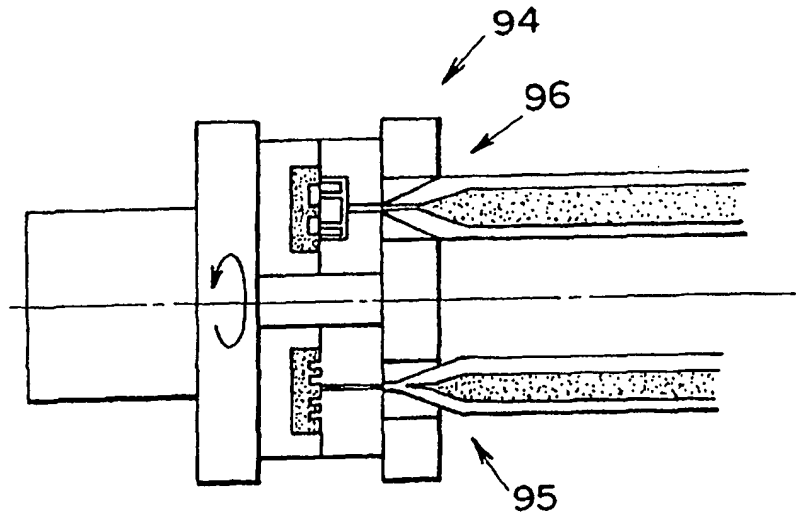
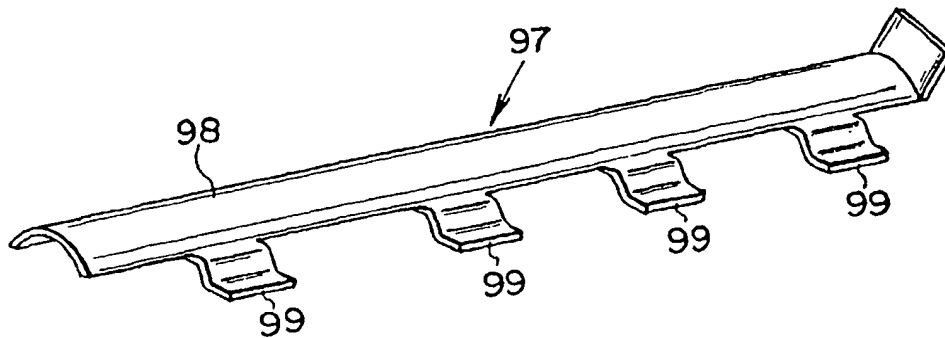


FIG.17



INTERNATIONAL SEARCH REPORT

International application No.

PCT/JP00/02361

A. CLASSIFICATION OF SUBJECT MATTER

Int.Cl.⁷ H01F5/00, 5/06, H02K3/50, H01M8/02,
B29C45/16, B29L31:34

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

Int.Cl.⁷ H01F5/00, 5/06, H02K3/50, H01M8/02,
B29C45/16, B29L31:34, F02M55/02, F02M51/06

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched
Jitsuyo Shinan Koho 1922-1996 Jitsuyo Shinan Toroku Koho 1995-2000
Kokai Jitsuyo Shinan Koho 1971-2000 Toroku Jitsuyo Shinan Koho 1994-2000

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	JP, 11-97270, A (TDK Corporation),	1-2
Y	09 April, 1999 (09.04.99),	4
A	Full text; Figs. 1 to 5 (Family: none)	3, 5, 9-10
Y	JP, 6-333580, A (Mitsubishi Heavy Industries, Ltd.),	6-7
	02 December, 1994 (02.12.94),	
	Full text; Fig. 1 (Family: none)	
Y	JP, 5-269786, A (Toshiba Chemical Corporation),	8
	19 October, 1993 (19.10.93),	11-13
	Full text; Figs. 1 to 8 (Family: none)	
Y	JP, 10-103191, A (Aisan Industry Co., Ltd.),	11-13
	21 April, 1998 (21.04.98),	
	Full text; Figs. 1 to 2 (Family: none)	

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Date of the actual completion of the international search
14 July, 2000 (14.07.00)

Date of mailing of the international search report
01 August, 2000 (01.08.00)

Name and mailing address of the ISA/
Japanese Patent Office

Authorized officer

Facsimile No.

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